

ABSTRACT

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3 A power combiner for the combining of symmetric and
4 asymmetric traveling wave energy comprises a feed waveguide
5 having an input port and a launching port, a reflector for
6 reflecting launched wave energy, and a final waveguide for
7 the collection and transport of launched wave energy. The
8 power combiner has a launching port for symmetrical waves
9 which comprises a cylindrical section coaxial to the feed
10 waveguide, and a launching port for asymmetric waves which
11 comprises a sawtooth rotated about a central axis.